

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

5

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 04/28/2020		2. CONTRACT NO. (If any) 68HERC20D0016		6. SHIP TO: a. NAME OF CONSIGNEE CAD	
3. ORDER NO. 68HERC20F0205		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136	
				c. CITY Cincinnati	e. ZIP CODE 45268-0001
7. TO: Andrew Parker				f. SHIP VIA	
a. NAME OF CONTRACTOR TETRA TECH, INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 10306 EATON PL STE 340				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220302201		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE OW	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 04/27/2021	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 198549560 TOCOR: Thomas Garnder Max Expire Date: 12/02/2024 Invoice Approver: Thomas Garnder Alt Invoice App: Jennifer Brundage Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	\$497,927.00	17(i) GRAND TOTAL

22. UNITED STATES OF

AMERICA BY (Signature)

04/28/2020

Donna Reinhart

ELECTRONIC SIGNATURE

23. NAME (Typed)

Donna Reinhart

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 04/28/2020	CONTRACT NO. 68HERC20D0016	ORDER NO. 68HERC20F0205
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 04/28/2020 to 04/27/2021</p> <p>Technical Support for EPA Rulemakings, Determinations and Other Water Quality Standards-Related Decisions and Actions Requisition No: PR-OW-20-00161, PR-OW-20-00275, PR-OW-20-00317</p> <p>Accounting Info: 20-21-B-28E-000BD4X20-2505-2028CES001-001 BFY: 20 EFY: 21 Fund: B Budget Org: 28E Program (PRC): 000BD4X20 Budget (BOC): 2505 DCN - Line ID: 2028CES001-001 Funding Flag: Partial Funded: \$0.00</p> <p>Accounting Info: 19-20-B-28E-000BD4X20-2505-2028CCE009-001 BFY: 19 EFY: 20 Fund: B Budget Org: 28E Program (PRC): 000BD4X20 Budget (BOC): 2505 DCN - Line ID: 2028CCE009-001 Funding Flag: Partial Funded: \$69,020.54</p> <p>Accounting Info: 20-21-B-28E-000BD4X20-2505-2028CES025-001 BFY: 20 EFY: 21 Fund: B Budget Org: 28E Program (PRC): 000BD4X20 Budget (BOC): 2505 DCN - Line ID: 2028CES025-001 Funding Flag: Partial Funded: \$75,000.00</p> <p>Accounting Info: 20-21-B-28E-000BD4X20-2505 BFY: 20 EFY: 21 Fund: B Budget Org: 28E Program (PRC): 000BD4X20 Budget (BOC): 2505 Funding Flag: Partial Continued ...</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 04/28/2020	CONTRACT NO. 68HERC20D0016	ORDER NO. 68HERC20F0205
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funded: \$0.00 *****ATTENTION FINANCE ***** 20-21-B-28E-000BD4X20-2505-2028CES001-001 THE \$100,000.00 OF FUNDING WHICH WAS OBLIGATED TO THE BASE CONTRACT IS HEREBY ALLOCATED TO THIS TASK ORDER. THE SPECIFIC LINES OF ACCOUNTING WHICH ARE ALLOCATED ASSOCIATED WITH THE BASE CONTRACT ARE PROVIDED ABOVE. ALL THE FUNDS OBLIGATED FROM THOSE LINES TO THE BASE CONTRACT ARE ALLOCATED.					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

PERFORMANCE WORK STATEMENT

Contractor: TetraTech, Inc.

Contract No. 68HERC20D0016

Task Order 68HERC20F0205

TITLE: Technical Support for EPA Rulemakings, Determinations and Other Water Quality Standards-Related Decisions and Actions

SHORT TITLE FOR EAS: Technical Support for EPA WQS Actions

Task Order Contracting Officer Representative (TOCOR) Name: Thomas Gardner Office: OW/OST/SHPD 6105T 1200 Pennsylvania Ave. NW Washington, DC 20460 Phone: 202 -566-0386 (voice) FAX: 202-566-0409 Email: gardner.thomas@epa.gov	Alternate Task Order Contracting Officer Representative (ALT TOCOR) Name: Jennifer Brundage Office: OW/OST/SHPD 6105T 1200 Pennsylvania Ave. NW Washington, DC 20460 Phone: 202-566-1265 (voice) FAX: 202-566-0409 Email: brundage.jennifer@epa.gov
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PERIOD OF PERFORMANCE: Date of award through 12 months.

LEVEL OF EFFORT: 3265 Professional Hours

PURPOSE OF TASK ORDER

The purpose of this Task Order is to obtain contractor services to provide technical support for EPA Rulemakings, Determinations, and other water quality standards-related decisions and actions in a timely manner. The specific tasks and any subtasks are defined below.

BACKGROUND

EPA's Office of Science and Technology (OST) is responsible for developing sound and scientifically defensible guidelines, policies and recommendations for water quality standards, criteria, advisories, and associated implementation guidelines under the Clean Water Act (CWA). Water quality standards define the water quality goals of a water body by designating uses, setting criteria to protect those uses, and establishing provisions to protect water bodies from pollutants.

Section 303(c) of the CWA requires states and authorized tribes to adopt water quality standards for waters of the United States within their jurisdictions. The CWA further requires states to submit these water quality standards to EPA for review and approval or disapproval. EPA must take action on the submitted standards within certain statutory and regulatory deadlines, all of which are 90 days or fewer. 40 CFR 131.5 (a) describes eight distinct requirements EPA must determine are met in approving or disapproving the standards.

Section 303(c) of the CWA directs the Administrator to promulgate water quality standards to supersede state standards that have been disapproved, or in any case where the Administrator determines that a new or revised standard is needed to meet the CWA's requirements. This is known as a "Federal Promulgation" or an "Agency Rulemaking". The CWA also gives EPA the authority to act on existing state water quality standards that have been previously approved by EPA if EPA identifies a provision(s) that is

not consistent with the CWA. This is known as an “Administrator Finding”, “Administrator Determination” or “CWA 303(c)(4)(B) Determination”. In taking these actions, EPA always conducts in-depth and issue-specific technical research and analysis in order to reach its conclusions and support the decision.

QUALITY ASSURANCE

As the tasks for this Task Order are essentially the same as those in EP-C-14-016; WA 5-03, the contractor shall use the approved Quality Assurance Project Plan (QAPP) developed for EP-C-14-016 and WA 5-03, (see Attachments) and shall update it as necessary to assure that the quality of the primary or secondary data and analyses are accurate and correct. The contractor shall hold a conference call with the EPA TOCOR and the QA officer or a designee prior to submission of any updated QAPP to discuss any issues needing clarification. All QA activities shall be in conformance with the QAPP. This QAPP will be the relevant QAPP for this TO unless and until a revised QAPP is approved by the required EPA and Tetra Tech parties.

The tasks and subtasks in this Task Order may require the use of existing data and use of modeling tools for data. Documentation of all analyses shall also indicate how types, quantity, and quality of data have been quality assured and maintained. In addition, the contractor shall ensure that metadata is compiled in an easy to use format. All products should be detailed so that the decisions and analysis are completely transparent to a third party.

Additionally, all QA activities shall be in conformance with EPA’s *Requirements for Quality Assurance Project Plans* (EPA QA/R-5) “<https://www.epa.gov/quality/guidance-quality-assurance-project-plans-epa-qag-5>” and should demonstrate a clear understanding of the project’s goals/objectives/questions and issues. Documentation of all analyses shall also indicate how types, quantity, and quality of data have been quality assured and maintained.

The Contractor shall alert the TOCOR regarding any quality issues should they arise. Given that a purpose of this Task Order is to provide EPA with information for timely statutorily and regulatorily driven decisions, it is particularly important that the Contractor notify the EPA TOCOR of issues, problems, questions, or delays as soon as they become apparent or if they are anticipated. Any project-specific quality assurance issues shall also be reported in the monthly progress reports as specified under Task 1. The QA activities for this Task Order should comprise at least 10% of the total effort.

For each *final* deliverable, the contractor shall provide a statement that all QA procedures were followed, and a statement describing any needed changes to those procedures, if necessary. The contractor shall also prepare a quality assurance documentation report when all work is finished under this TO.

SCOPE OF WORK

Task 1 Reporting Requirements

1.1 Monthly Reports

The contractor shall prepare monthly progress reports throughout the period of performance. The monthly progress reports shall break down spending, in dollars and hours, by task. In addition, the contractor shall allocate spending on Other Direct Costs and General & Administrative (G&A) by task in the TO.

Deliverables and schedule

Monthly reports of progress report due monthly throughout the TO period of performance.

1.2 Weekly Calls with the TOCOR and ALT TOCOR

The contractor shall schedule and participate in up to 52 recurring weekly calls with the TOCOR and ALT TOCOR to review and discuss the status of active tasks. Participants from the contractor staff shall include the Task Order Leader at a minimum. Other contractor staff shall participate as mutually agreed by the contractor and TOCOR/ALT TOCOR on an as-needed basis.

Task 2 Update the QAPP

The Contractor shall prepare one update to the Quality Assurance Project Plan (QAPP) during the performance period. Updates shall include updating the terminology from work assignment to task order, updating personnel names and contact details, and incorporating other tracked edits provided by EPA.

To update the QAPP, the contractor will use their available documentation from the Performance Periods 1-5 for Contract EPC 14-016 and any letter amendments.

EPA shall provide deliverable deadlines via technical direction.

Task 2. Deliverables

2.1	A draft QAPP submitted to the EPA TOCOR and QA Manager for review.	Provided in Technical Direction from EPA
2.2	A revised QAPP addressing EPA TOCOR and QA Manager comments on the draft.	Provided in Technical Direction from EPA

Task 3 Complete Technical Direction Begun Under Previous Contract (EP-C-14-016 WA 5 03)

The Contractor shall complete the technical directions (TDs) assigned under the referenced prior contract vehicle, as follows:

TD22 R-Shiny App for Lagoons

The contractor shall review the comments provided by EPA on the engineering design and cost analysis and respond in writing to questions and comments from EPA staff regarding the engineering design and cost analysis. It will likely be necessary to schedule a conference call between Tetra Tech and EPA to go over Tetra Tech's written responses in order to decide which exact changes Tetra Tech will make based on EPA's feedback and instructions. Tetra Tech will then make the revisions to the R-shiny app. Tetra Tech will deliver the revised R-shiny app to EPA on the agreed-upon delivery date. Finally, a conference call will be scheduled to discuss the delivery of the annotated R-shiny code and the transfer of the R-shiny code to EPA.

Technical Contacts

The Technical Contacts for this subtask will be Erica Fleisig (fleisig.ERICA@epa.gov, 202-566-1057) and Mario Sengco (sengco.mario@epa.gov, 202-566-2676). They will provide technical clarification, but will not and cannot provide technical direction. Please cc the TOCOR and ALT TOCOR on all communications.

TD27 – New Mexico Temporary Standards

27.1 Finalize Las Vegas Report

On an upcoming weekly call (per task 1.2 above), EPA shall provide the contractor direction for incorporating the comments in attachment 4 received from NMED/Las Vegas in January 2020 on the draft final Las Vegas report. Specifically, EPA will explain which comments should be addressed and which do not need to be incorporated based on subsequent verbal feedback received from the state. Following this discussion, the contractor shall finalize the draft report for Las Vegas. EPA shall provide the deliverable deadline via technical direction following discussion with the contractor. The contractor shall provide one copy of the final deliverable in MS Word format and one copy in PDF format.

27.2 Follow Up Questions

The contractor shall answer questions and provide additional clarification about deliverables completed and analyses conducted under the previous work assignment for the New Mexico Temporary Standards task, as needed, up to 3 instances. EPA may request up to 3 limited follow up analyses to the analyses completed as part of deliverables under the previous work assignment, for example to recalculate target effluent concentrations in the event the state provides new information and requests an estimate of its impacts on previous calculations.

Technical Contacts

The Technical Contact for this subtask will be the ALT TOCOR Jennifer Brundage (brundage.jennifer@epa.gov, 202-566-1265). Please cc the COR on all communications.

TD36 Comparison of Coral Demographic Survey Methodologies

Description of work: The contractor will finalize the previously-described TD-36's Final Report and generate/provide a list of datafiles as listed under "Final Products" below. EPA R2 and ORD completed review of the draft report and provides comments to the contractor as an attachment to this TO. The contractor shall address EPA's edits/comments to its draft Final Report. The revisions will include edits to the text as well as changes/clarifications to the organization of the document and figures.

Major comments include the following requests:

- to specify what data sets and limitations were used for each different task,
- to provide more context to better understand what was done,
- to number all figures and tables in the report with short captions and to include table/figure numbers in text to reference which table or figure the text is referring to, and
- to revise figures to make them easier to read (larger axes/font, visible color).

Final Products:

- (1) The Final Report
- (2) Electronic copy of R-Script used for all analyses (organized by task and section)
- (3) Electronic files in MS Excel format for:
 - (a) Original datasets used for analyses
 - (b) Final result data files
 - (c) Files used to generate figures included in report.

Technical Contacts

The Technical Contact for this subtask will be Izabela Wojtenko, Wojtenko.izabela@epa.gov). She will provide technical clarification, but will not and cannot provide technical direction. Please cc the TOCOR and ALT TOCOR on all communications.

Deliverable deadline for Final Products: April 30, 2020

Estimated professional hours: maximum of 40 hours

TD37.1 – Temperature and Dissolved Oxygen Tolerance of Coolwater Fish Species in the Pacific Northwest

Task Description

The goal of this project is to identify the suite of protective thermal and dissolved oxygen metrics that can be derived from the literature for freshwater, coolwater fish species in the Pacific Northwest. This project will produce a scientific literature review of laboratory-derived and field-based acute and chronic thermal and dissolved oxygen tolerance values of Pacific Northwest freshwater, coolwater fish species along with a master summary Microsoft Excel spreadsheet with study results, endpoints and variables from the experimental design organized by species. In addition to study endpoint values, other variables such as acclimation temperatures, rate of change, test durations, life stage tested, and feeding history for both acute and chronic studies will be important variables to record as these conditions are essential for eventual inclusion into criteria calculations. The Contractor shall rely solely on published, peer-reviewed research from journal or accredited university publications.

Deliverables

The Contractor shall produce a final written report, bibliography and MS Excel spreadsheet to the EPA. The report shall summarize broad scale findings (including graphics and meta-level analysis). The Contractor shall also provide to EPA all data collected during this study.

Please note that per the “General Requirements of the Task Order and Schedule” below, the contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. EPA shall provide deadlines for draft and final deliverables via technical direction following discussion with the contractor.

Contacts

The Technical Contacts for this subtask will be Erica Fleisig (fleisig.eric@epa.gov, 202-566-1057) and Rochelle Labiosa (labiosa.rochelle@epa.gov, 206-553-1172). They will provide technical clarification, but will not and cannot provide technical direction.

Please copy the TOCOR and the ALT TOCOR on all correspondence related to this task order, and/or provide a short, written summary of any calls conducted in their absence.

TD39 – Montana Private Dischargers

Part 1

The contractor shall use the data it previously collected on private dischargers in Montana at the parent and ultimate-parent levels and run them through the economic analysis spreadsheet it developed for the talc mine industry (8 facilities). For profitability, the contractor shall estimate the cost of upgrades using MT’s 2015 economic demonstration (adjusted to 2020 dollars) for the general variance to determine the impact of upgrading on profit rate, similar to the approach for the talc mine industry.

The deliverables for this part will be one workbook for each facility = total of 8 excel workbooks. EPA will provide deadlines for draft and final deliverables via technical direction following additional discussion with the contractor.

Part 2

After generating the results for each discharger, the contractor shall run the results for each discharger through the template scoring sheet Tetra Tech developed, as well as a modified template scoring sheet in Attachment 5.

The deliverables for this part will be: for each of the 8 facilities, one MS Word table based on the Tetra Tech template and one MS Word table based on the EPA-modified template = 16 total MS Word tables. EPA will provide deadlines for deliverables via technical direction following additional discussion with the contractor.

Part 3

The contractor shall repeat this analysis for 2 (two) other private dischargers outside of Montana that EPA identifies using information provided by EPA to the contractor. The EPA will identify previously approved variances for private facilities outside of Montana. EPA will provide Tetra Tech the submitted technical analysis and demonstration for the variance, so no additional engineering and cost analysis are anticipated. Tetra Tech will use the technology identified by the facility and the costs associated with that technology. This exercise is meant to further show the broad applicability and validity of the scoring templates.

The deliverables for this part will be: for each additional facility identified by EPA (2-4), one excel workbook as described in part 1 above, one MS Word table based on the Tetra Tech template (as described in part 2 above), and one MS Word table based on the EPA-modified template (as described in part 2 above). EPA will provide deadlines for all deliverables via technical direction following additional discussion with the contractor.

Contacts

The Technical Contact for this subtask will be Mario Sengco (sengco.mario@epa.gov, 202-566-2676). He will provide technical clarification, but will not and cannot provide technical direction. Please copy the TOCOR and the ALT TOCOR on all correspondence related to this task order, and/or provide a short, written summary of any calls conducted in their absence.

Task 4 Prepare Quick-Turnaround Data Analysis, Critical Review and Summaries to Support State/Tribal and EPA Decision-Making

Background

Given the complexity of water quality standards development and implementation and the Agency's associated statutory and often court-imposed deadlines, EPA often finds itself in the position of quickly needing to conduct complex analyses in order to support decision-making on water quality standards-related actions. Additionally, EPA receives requests from States and Tribes to provide support during the water quality standards development process. Data collection and analysis is a necessary component of the technical preparation for such actions. In short order, the extent of a problem needs to be understood, including waters affected, available monitoring data, impairment information, Total Maximum Daily Loads (TMDLs), permits, applicable state standards and state requirements in place for point source and nonpoint source control, existing scientific literature, for example.

Task Description

Prepare up to 4 analyses of data and information to inform EPA, States and/or Tribes in developing, revising or taking action on water quality standards; often with quick response required.

The EPA TOCOR will provide the contractor with additional information as needed. The contractor may be required to obtain additional data from third party sources, including but not limited to municipalities, state or federal entities.

The contractor shall prepare scientifically defensible products appropriate for each deliverable. These may include but are not limited to data summaries, reports, HTML web material, R-code modules, Excel workbooks, data sets, and metadata.

The EPA TOCOR will provide deliverable deadlines for this task through written technical direction to the contractor.

Technical Expertise Required

The lead technical individual(s) who work on this task shall have an understanding of EPA's water quality standards program, including EPA's existing 304(a) criteria (for protection of aquatic life and human health). Furthermore, the lead technical individual(s) must understand the various additional guidances and approaches EPA has developed for modifying water quality standards and implementing the water quality standards program, as well as experience and/or working knowledge of the following websites and databases:

- EPA's WQS Repository: <https://www.epa.gov/wqs-tech/state-specific-water-quality-standards-effective-under-clean-water-act-cwa>
- IRIS: <http://epa.gov/iris/>
- Variances and Multiple Discharger Variances: <https://www.epa.gov/sites/production/files/2018-10/documents/discharger-specific-variances-faqs.pdf>
- STORET/WQX: <https://www.epa.gov/waterdata/water-quality-data-wqx>
- USGS Monitoring Data Website
- State-specific water quality standards, permits and 303(d) listing and TMDL websites/databases
- GIS systems in order to spatially lay out information on mixing zones, permittees, environmental justice, land use, etc.
- Discharge Monitoring Report (DMR) Pollutant Loading Tool and ECHO: www.epa.gov/pollutantdischarges
- The Water Quality Standards Handbook: <https://www.epa.gov/wqs-tech/water-quality-standards-handbook>
- Others: DFLOW, CORMIX

Task 5 Literature Searches

Background

Pre-decisional processes require the collection and analysis of in-depth and issue-specific technical research and analysis. The information is often needed in a summarized format to give progress updates to internal management.

Task Description

The contractor shall conduct up to 3 literature searches, reviews and summaries to inform or assist EPA, States and Tribes in developing, revising or taking action on water quality standards, often with quick response required.

Deliverables

EPA will clarify deliverable format and timeframes via written technical direction.

Task 6 Formatting of Large Documents

The contractor shall format up to 2 draft documents provided by EPA. This work does not include any substantive or technical review of the draft documents submitted. The scope of this Task is solely for formatting purposes. This is meant to cover tasks such as TD42 under the previous WA 5-03. This work could include:

- Merging different files into a single document
- Making formatting consistent throughout a document
- Finalizing a table of contents covering all sections of a document as well as tables of contents for tables, figures, and appendices
- Applying page numbering
- Using Endnote to enter in-text references/citations and to create the reference section.
- Verifying formatting by creating a PDF of the document

This work shall not include any substantive revisions to the documents. The work for each document shall include a kick-off call and a check-in call.

EPA will provide all files and data sources required for this task as well as deliverable deadlines via technical direction. Deliverables shall be provided in three formats: 1) clean MS Word file, 2) tracked changes MS Word file, and 3) PDF.

GENERAL REQUIREMENTS OF THE TASK ORDER AND SCHEDULE

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR comments into all final deliverables, unless otherwise agreed upon by the TOCOR. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), CLCOR, and TOCOR.

Deliverable Formatting: All memos, draft comments, summaries and responses, and chapters are to be provided in electronic form using Word and/or Excel/Access, ArcView, or, in special cases another software program agreed to by the TOCOR. Memos are to be written in a manner which will make them easy to conform into draft chapters for the Final Report. For deliverables that are in Word or pdf versions of Word documents, that are intended to be shared with management or the public, the contractor shall use decimal align in all tables containing columns of numbers of varying digits, whether decimal places are reported or not. All final materials, e.g., memos, chapters, etc. are to be prepared only after receiving written technical direction from the TOCOR and formatted to be in compliance with Section 508 Amendment to the Rehabilitation Act of 1973.

Acceptance Criteria: The Contractor shall prepare high quality products and that are reproducible and transparent. Figures submitted shall be of high quality, similar to presentations developed for national scientific forums and should be formatted as jpeg or TIFF files. Text deliverables shall be provided in Microsoft Word 2010 or compatible format. All text deliverables will provide clear and concise responses to EPA questions.

Technical Direction: The Contract level COR or an authorized individual is permitted to provide technical direction. Technical direction must be within the statement of work of the contract and includes: (1) Direction to the contractor which assists the contractor in accomplishing the PWS, (2) Comments on and approval of reports or other deliverables. Technical direction will be issued in writing or confirmed in writing within five (5) calendar days after verbal issuance. One copy of the technical direction memorandum will be forwarded to the Contracting Officer and the Contract Level Contracting Officer Representative.

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract. As required, the EPA TOCOR will provide technical direction in accordance with Clause H-19 of the contract, EPAAR 1552.237-71 TECHNICAL DIRECTION (AUG 2009) and the Contract Level Performance Work Statement (PWS).

Confidential Business Information: For this Task Order, the contractor shall not be accessing any Confidential Business Information (CBI).

Budget Reporting: The contractor shall report to the TOCOR and Contract Level COR (CLCOR) when 85 percent of the total budget for this Task Order has been depleted.

Travel: No travel is anticipated under this task order.

Printing: All copying and printing shall be accomplished within the limitations of the printing clause of the contract.

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, the contractor personnel shall be clearly identified as independent contractors of EPA when participating in events with outside parties and prior to the start of any meeting. The contractor personnel are prohibited from acting as the Agency's official representative. When speaking with the public, the contractor shall refer all interpretations of policy to the TOCOR.

Conference/Meeting Guidelines and Limitations: The EPA projects that none of the individual meetings identified in these tasks, if any, will exceed a total cost of \$20,000. The contractor shall immediately notify the EPA Contracting Officer, CL-COR and TOCOR of any anticipated individual event involving support for a meeting, conference, workshop, symposium, retreat, seminar or training that may potentially incur \$20,000 or more in cost during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per diem expenses, room charges for official business, audiovisual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorized to do so by the Contracting Officer.

The EPA will assess Contractor performance in accordance with the Quality Assurance Surveillance Plan (QASP), Attachment 1 to this PWS.

ATTACHMENTS

1. Contract Level QASP
2. Quality Assurance Project Plan for: *Technical Support for EPA Rulemakings, Determinations and Other Water Quality Standards-Related Actions*: September 22, 2016 (.pdf)
3. TD 36 Coral Results Draft (for Task 3)
4. Edits to Las Vegas report for TD27
5. EPA and Tetra Tech template scoring sheets for TD39

ATTACHMENT 1 QUALITY ASSURANCE SURVEILLANCE PLAN

“Technical Support for Assessing, Managing, and Communicating the Ecological and Human Health Risks of Contaminants in Water, Fish, and Sediments, and of Microbial Pathogens in Surface Waters”

Purpose: The requirements performed under this contract are considered performance-based, focusing on the Agency’s desired results and outcomes. The contractor shall be responsible for determining the most effective means by which these requirements will be fulfilled. In order to fulfill the requirements, the contractor shall design innovative processes and systems that can deliver the required services in a manner that will best meet the Agency’s performance objectives. This performance-based requirement represents a challenge to the contractor to develop and apply innovative and efficient approaches for achieving results and meeting or exceeding the performance objectives, measures, and standards described below. The Contractor’s performance will be reflected in the positive or negative evaluation offered by the Agency in the Contractor Performance Evaluation (CPE) which is evaluated annually (per the “Contractor Performance Evaluation” clause in the contract). The TOCOR shall submit a complete annual review of the areas outlined in the Quality Assurance Surveillance Plan (QASP), included in the contract, which will then be utilized by the Contract Level Contracting Officer’s Representative (CL-COR) in preparing the overall evaluations submitted annually in response to the CPE requirements in the contract. The TOCOR for each individual task order will provide the review of the deliverables at the location specified in the identified task order.

General Management and Administration			
Performance Requirement	Measurable Performance Standards	Surveillance Methods	Incentives/Disincentives
Management and Communications: The Contractor shall maintain contact with the EPA Contracting Officer (CO), Contracting Officer’s Representative (COR), and Task Order COR (TOCOR) throughout performance of the contract and shall immediately bring potential problems to the attention of the appropriate EPA TOCOR. In cases where issues have a direct impact on project schedules and/or cost, the Contractor shall provide options for EPA’s consideration on resolving or mitigating the impacts.	Any issues that impact project schedules and/or cost shall be brought to the attention of the appropriate EPA TOCOR within 3 business days of occurrence.	100% of active task orders under the contract will be reviewed by the EPA TOCOR monthly (via Monthly Progress Report) to identify unreported issues. The EPA TOCOR will report any issues to the EPA COR, who will bring the issue(s) to the Contractor’s attention through the EPA CO.	Unsatisfactory rating under the category of Business Relations in the Contractors Performance Appraisal Review System (CPARS) if two or more incidents occur during an applicable period of performance when the Contractor does not meet the measurable performance standards. Fewer than two incidents per contract period where the contractor does not meet the measurable performance standard will be considered satisfactory performance and will be reported as such in the CPARS Performance Evaluation System under the category of Business Relations.
Timeliness: Services and deliverables shall be in accordance with schedules	During any period of performance, 90% of all submitted	100% of active task orders under the contract will be	Unsatisfactory rating under the category of Timeliness in the CPARS

stated in each task orders, unless amended or modified by an approved EPA action.	deliverables shall be submitted no later than one business day past the due date.	reviewed by the EPA TOCOR monthly (via Monthly Progress Report & milestones established for each deliverable) to compare actual delivery dates against the approved delivery dates. The EPA TOCOR will report any issues to the EPA COR, who will bring the issue(s) to the Contractor's attention through the EPA CO.	<p>when the Contractor does not meet the measurable performance standards during an applicable period of performance.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of Timeliness if the contractor meets the measurable performance standards.</p>
<p>Cost Management and Control: The Contractor shall monitor, track and accurately report level-of-effort, labor cost, and other direct cost to EPA through progress reports and approved special reporting requirements.</p> <p>The Contractor shall assign appropriately leveled and skilled personnel to all tasks, practice and encourage time management, and ensure accurate and appropriate timekeeping.</p>	The Contractor shall manage costs to the level of the approved ceiling on the task orders. The Contractor shall notify the EPA TOCOR/COR when 75% of the approved funding ceiling for the work assignment is reached.	The EPA COR will routinely meet with the Contractor's Project Manager to discuss the work progress, and the contract and individual task order expenditures. The EPA COR shall review the Contractor's Monthly Progress Reports and request the TOCOR's verification of expenditures and technical progress before authorizing invoice payments.	<p>Unsatisfactory rating under the category of Cost Control in the CPARS when the Contractor does not meet the measurable performance standards during an applicable period of performance.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of Cost Control if the contractor meets the measurable performance standards and accurately reports the costs in the progress reports according to the requirements in the "Reports of Work" attachment to the Contract.</p>
<p>Technical Effort: The analyses or products developed by the Contractor shall be factual, defensible, and based on sound science and engineering. All data shall be collected from reputable sources; quality assurance measures shall be conducted in accordance with contract and Agency requirements, and any additional requirements outlined in individual task orders or technical directives. Any work requiring the Contractor to provide options or recommendations shall</p>	All (100%) analyses conducted for EPA by the Contractor must be factual and based on sound science and engineering. All analyses and products (initial and final drafts) shall conform in format and content to requirements specified by the TOCOR in written	EPA will review all analyses conducted and products prepared by the Contractor and will independently consider their merit. EPA may opt to peer review analyses to further validate their merit.	<p>Unsatisfactory rating under the category of Quality of Product or Service in the CPARS when the Contractor does not meet the measurable performance standards during an applicable period of performance, even after review input and follow up discussion by Agency personnel.</p> <p>A satisfactory rating will be reported in the CPARS</p>

include the rationale used in selecting the option/recommendation and all other options and recommendations considered.	technical direction, and should meet the objectives stated in the task order. All initial draft documents shall be clearly written at a level appropriate to the targeted audience. All information shall be factual, technically sound, and accurate, with data sources identified.		Performance Evaluation System under the category of Quality of Product or Service if the contractor meets the measurable performance standards.
<p>Quality Assurance/Quality Control (QA/QC): The Contractor shall comply with the quality assurance requirements specified in <i>EPA Requirements for Quality Assurance Project Plans</i> (http://www.epa.gov/quality/qs-docs/r5-final.pdf) and as required by the EPA TOCOR. The Contractor shall assign appropriately leveled and skilled technical and quality assurance personnel to develop a Quality Assurance Project Plan (QAPP) for all tasks requiring collection or use of environmental data.</p> <p>The QAPP shall be developed in consultation with the EPA TOCOR, and fully approved by the appropriate EPA personnel, before initiation of activities involving environmental data collection or use.</p> <p>Any change in the planned environmental data activities that become necessary during the course of the project shall be fully documented in approved revised versions of the QAPP prior to their implementation.</p>	<p>The Contractor shall notify the EPA TOCOR of any issues that impact project quality within 3 business days of occurrence.</p> <p>The Contractor shall notify the EPA TOCOR and COR within 5 business days of occurrence of any requests to collect or use environmental data without an EPA-approved QAPP.</p> <p>The Contractor shall document all QA/QC activities, including compliance with the quality objectives specified in the QAPP, in Monthly Progress Reports.</p>	100% of active task orders under the contract will be reviewed by the EPA TOCOR monthly (via Monthly Progress Report) to assess contractor compliance with the approved QAPP, and to identify unreported issues related to project quality and requests to collect or use environmental data without an EPA-approved QAPP. The EPA TOCOR will report any issues to the EPA QAO and COR, who will bring the issue(s) to the Contractor's attention through the EPA CO for immediate resolution.	<p>Unsatisfactory rating under the category of Quality Assurance/Quality Control in the CPARS if more than three incidents occur during an applicable period of performance when the Contractor does not meet the measurable performance standards.</p> <p>A satisfactory rating will be reported in the CPARS Performance Evaluation System under the category of Quality Assurance/Quality Control if the contractor meets the measurable performance standards.</p>

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES		
					1 4		
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C		PR-OW-20-00627			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD							
US Environmental Protection Agency							
26 West Martin Luther King Drive							
Mail Code: W136							
Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)		9A. AMENDMENT OF SOLICITATION NO.	
TETRA TECH, INC.							
Attn: Andrew Parker						9B. DATED (SEE ITEM 11)	
10306 EATON PL STE 340							
FAIRFAX VA 220302201							
				x		10A. MODIFICATION OF CONTRACT/ORDER NO.	
						68HERC20D0016	
						68HERC20F0205	
						10B. DATED (SEE ITEM 13)	
						04/28/2020	
CODE 198549560		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$207,961.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) Unilateral - Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
TOCOR: Thomas Garnder Max Expire Date: 12/02/2024 Invoice Approver: Thomas Garnder Alt							
Invoice App: Jennifer Brundage							
The purpose of this modification is the following:							
1. To incremental fund this task order by \$207,961.00. 2. To change the Contracting Officer from Donna Reinhart to Gerold Young. 3. See attachment for revised B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION and RECAPITULATION. All other terms and conditions remain unchanged.							
LIST OF CHANGES:							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Gerold D. Young			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 ELECTRONIC SIGNATURE (Signature of Contracting Officer)		07/13/2020	
(Signature of person authorized to sign)							

REFERENCE NO. OF DOCUMENT BEING CONTINUED
68HERC20D0016/68HERC20F0205/P00001

PAGE	OF
2	4

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Reason for Modification: Funding Only Action</p> <p>Obligated Amount for this Modification: \$207,961.00</p> <p>New Total Obligated Amount for this Award: \$351,981.54</p> <p>Incremental Funded Amount changed: from \$144,020.54 to \$351,981.54</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$207,961.00</p> <p>Incremental Funded Amount changed from \$144,020.54 to \$351,981.54</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 20-21-B-28E-000BD4X20-2505-2028CES039-001</p> <p>Beginning FiscalYear 20</p> <p>Ending Fiscal Year 21</p> <p>Fund (Appropriation) B</p> <p>Budget Organization 28E</p> <p>Program (PRC) 000BD4X20</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 2028CES039-001</p> <p>Quantity: 0</p> <p>Amount: \$207,961.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 04/28/2020 to 04/27/2021</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 4	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C		PR-OW-20-00646			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
TETRA TECH, INC. Attn: Andrew Parker 10306 EATON PL STE 340 FAIRFAX VA 220302201							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC20D0016			
				68HERC20F0205			
				10B. DATED (SEE ITEM 13)			
				04/28/2020			
CODE 198549560		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$45,945.46	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) Unilateral - Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
TOCOR: Thomas Garnder Max Expire Date: 12/02/2024 Invoice Approver: Thomas Garnder Alt							
Invoice App: Jennifer Brundage							
The purpose of this modification is the following:							
1. To incremental fund this task order by \$45,945.46.							
2. See attachment for revised B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION and RECAPITULATION. All other terms and conditions remain unchanged.							
LIST OF CHANGES:							
Reason for Modification: Funding Only Action							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Harold D. Hincks			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 07/16/2020	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC20D0016/68HERC20F0205/P00002	PAGE	OF
		2	4

NAME OF OFFEROR OR CONTRACTOR
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$45,945.46 New Total Obligated Amount for this Award: \$397,927.00 Incremental Funded Amount changed: from \$351,981.54 to \$397,927.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$45,945.46 Incremental Funded Amount changed from \$351,981.54 to \$397,927.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-B-28E-000BD4X20-2505-2028CES046-001 Beginning Fiscal Year 19 Ending Fiscal Year 20 Fund (Appropriation) B Budget Organization 28E Program (PRC) 000BD4X20 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-Line ID 2028CES046-001 Quantity: 0 Amount: \$45,945.46 Percent: 9.22735 Subject To Funding: N Payment Address: Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 04/28/2020 to 04/27/2021</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line items 0001 through 0001 are severable and may be incrementally funded. For these items, the sum of \$497,927.00 of the total price is presently available for payment and allotted to this contract.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION:

RECAPITULATION OF FUNDING TO DATE BY TASK ORDER PERIOD

CONTRACT NO. 68HERC20D0016
TASK ORDER NO. 68HERC20F0205
Modification: P0002

Period of Performance - FROM 4/28/2020 through 4/27/2021

<u>FUNDING ACTION</u>	<u>FUNDING</u>
Total Task Order Amount:	\$ 497,927.00
Initial Incremental Funding:	\$ 244,020.54
P0001	\$ 207,961.00
P0002	\$ 45,945.46
Balance Unfunded	\$ 0.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00003		See Block 16C					
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD							
US Environmental Protection Agency							
26 West Martin Luther King Drive							
Mail Code: W136							
Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO.	
TETRA TECH, INC.							
Attn: Andrew Parker						9B. DATED (SEE ITEM 11)	
10306 EATON PL STE 340							
FAIRFAX VA 220302201							
				X		10A. MODIFICATION OF CONTRACT/ORDER NO.	
						68HERC20D0016	
						68HERC20F0205	
						10B. DATED (SEE ITEM 13)	
						04/28/2020	
CODE 198549560		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
TOCOR: Thomas Garnder Max Expire Date: 12/02/2024 Invoice Approver: Thomas Garnder Alt							
Invoice App: Jennifer Brundage							
The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Gerold D. Young			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 ELECTRONIC SIGNATURE (Signature of Contracting Officer)		09/23/2020	
(Signature of person authorized to sign)							

Previous edition unusable

NAME OF OFFEROR OR CONTRACTOR
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 04/28/2020 to 04/27/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) Definitions. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00004		See Block 16C		PR-OW-21-00075			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
TETRA TECH, INC. Attn: Andrew Parker 10306 EATON PL STE 340 FAIRFAX VA 220302201							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC20D0016 68HERC20F0205			
				10B. DATED (SEE ITEM 13) 04/28/2020			
CODE 198549560		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$60,000.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT					
X		ORDER NO. IN ITEM 10A. 52.243-3 T&M Change - increase ceiling value					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
		D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 198549560							
Modification (P00004) increases the total Task Order value from \$497,927.00 to \$567,652.16 to fund T&M severable services for the remaining Period of Performance. In addition, P00004 obligates \$60,000.00 in incremental funding.							
TOCOR: Thomas Garnder							
LIST OF CHANGES:							
Reason for Modification: Change Order							
Total Amount for this Modification: \$69,725.16							
New Total Amount for this Version: \$567,652.16							
New Total Amount for this Award: \$567,652.16							
Obligated Amount for this Modification: \$60,000.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Charles K. Fischer			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		01/30/2021	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC20D0016/68HERC20F0205/P00004	PAGE	OF
		2	3

NAME OF OFFEROR OR CONTRACTOR
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Obligated Amount for this Award: \$457,927.00 Incremental Funded Amount changed: from \$397,927.00 to \$457,927.00</p> <p>Buyer changed from Matthew Huber to Charles K. Fischer</p> <p>Contracting Officer changed from Gerold D. Young II to Charles K. Fischer</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Description changed from Technical Support for EPA Rulemakings, Determinations and Other Water Quality Standards-Related Decisions and Actions to Technical Support for EPA Rulemakings, Determinations and Other Water Quality Standards-Related Decisions and Actions</p> <p>Total Amount changed from \$497,927.00 to \$567,652.16 Obligated Amount for this Modification: \$60,000.00 Incremental Funded Amount changed from \$397,927.00 to \$457,927.00 Incrementally Funded through date of 04/27/2021 is added</p> <p>CHANGES FOR DELIVERY LOCATION: CAD Amount changed from \$497,927.00 to \$567,652.16</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 21-22-B-28E-000BD4X20-2505-2128CES005-001 Beginning FiscalYear 21 Ending Fiscal Year 22 Fund (Appropriation) B Budget Organization 28E Program (PRC) 000BD4X20 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2128CES005-001 Quantity: 0 Amount: \$60,000.00 Continued ...</p>				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC20D0016/68HERC20F0205/P00004	PAGE	OF
		3	3

NAME OF OFFEROR OR CONTRACTOR
TETRA TECH, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: 10.56985 Subject To Funding: N Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 04/28/2020 to 04/27/2021				